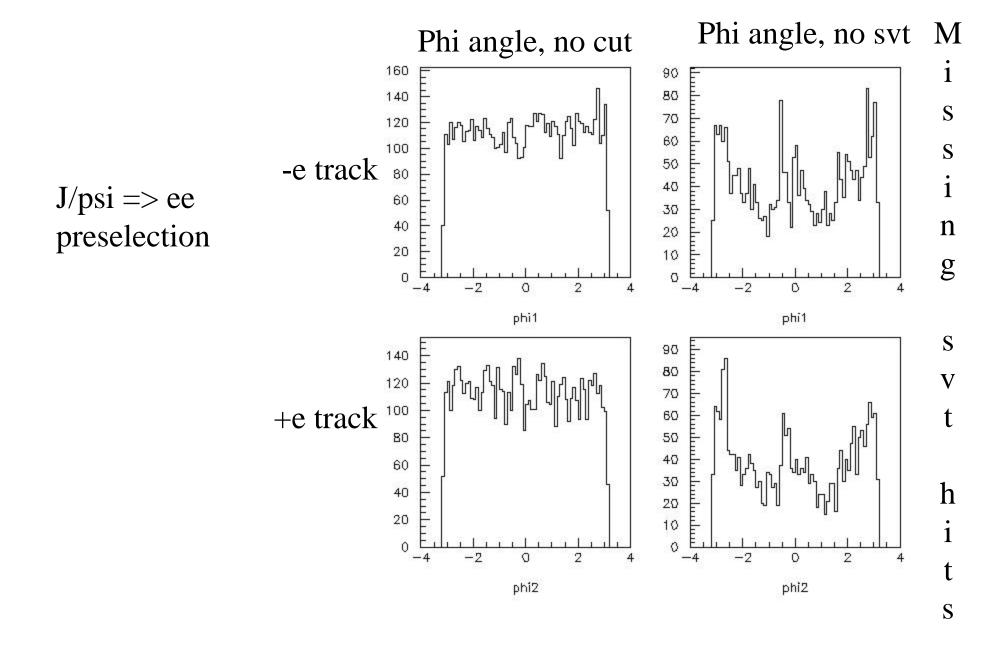
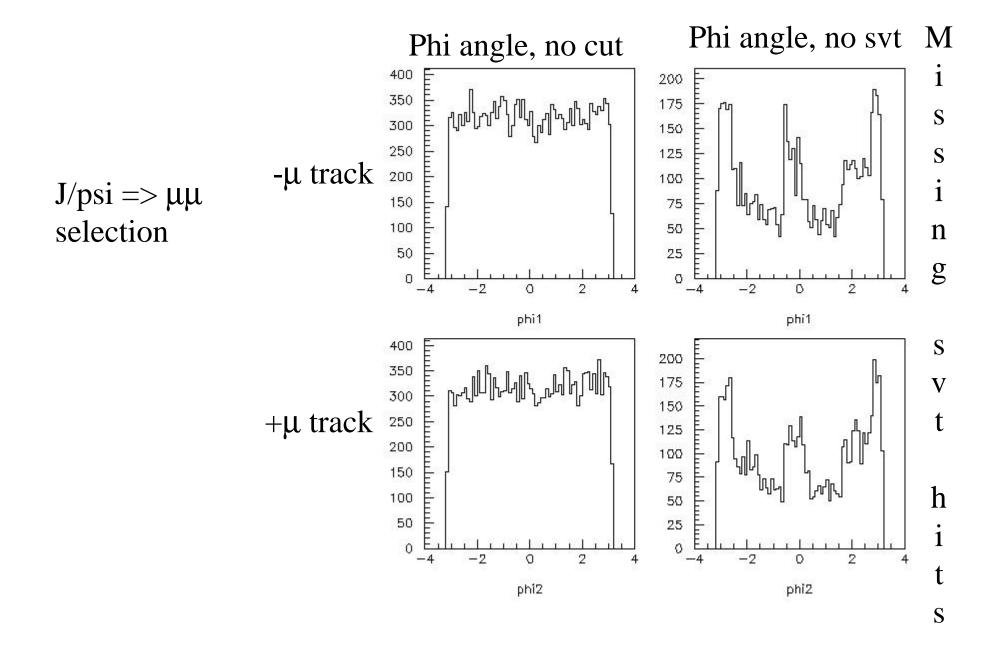
In the previous note there seemed to be a correlation of better mass resolutions when the svt hits were missing in the track.

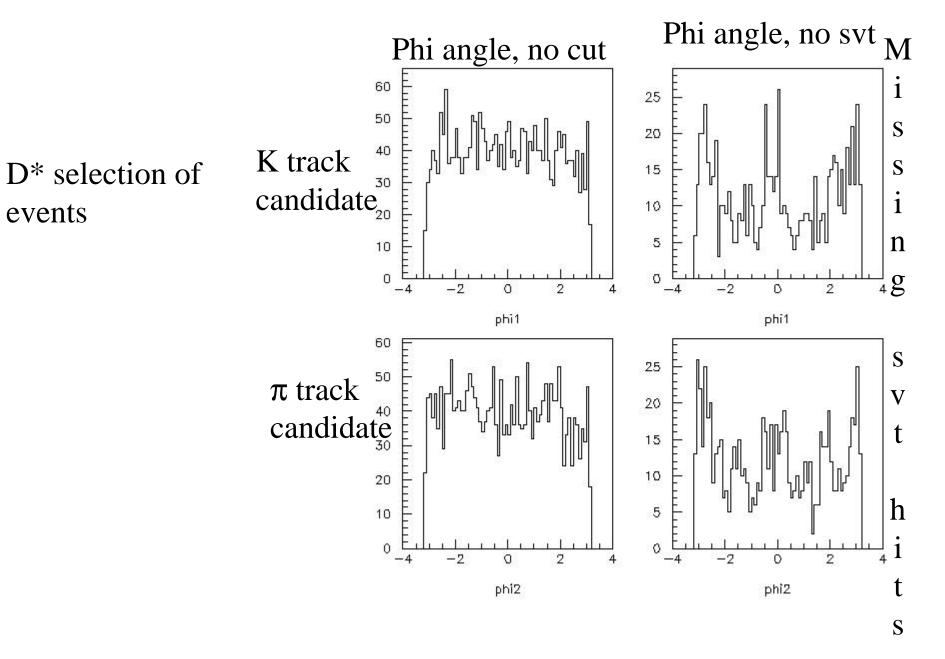
In this note we look at <u>phi distributions</u> with and without svt hits using data event selections for $J/\psi => ee$, $\mu\mu$ and $D^* => D0, D0 => K\pi$.

The distributions show that the tracks missing svt hits occur preferentially at $\phi=0$ and π . This would indicate that the resolutions become worse for track in the $\phi=\pi/2$ and $-\pi/2$ directions.

Note that the leptons from the J/ ψ are fairly back to back hence they may accentuate problems. The K and π tracks from the D0 are less back to back in phi, but still show that the svt hits are missing in the $\phi = 0$ and π directions.







events